

CHERRY MX1A-2xxx



Models may vary from the image shown

The Original: Key module with CHERRY Gold Crosspoint technology

Grey switch: Without pressure point, linear firm actuation - switching function with a defined force of approx. 80 cN without contact feedback. Original CHERRY MX is the world's leading precision technology for mechanical key modules. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "made in Germany" are unique. MX inside ensures unrivalled quality, precision and reliability.

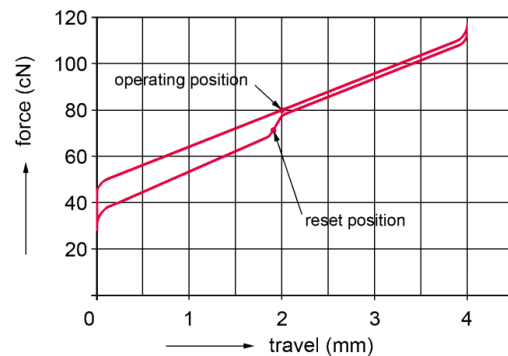
Key Benefits

- Grey switch: Without pressure point, linear firm actuation - switching function with a defined force of approx. 80 cN without contact feedback
- Mechanical high-precision key module
- In use worldwide for Original CHERRY keyboards and in keyboards of demanding input device manufacturers
- Safe and long-lasting reliability of switching performance and characteristics
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts, resistant to dust and dirt
- Over 50 million keystrokes / contact switches per module with no loss of quality
- Proven a billion times over and continuously developed
- World exclusive CHERRY Gold Crosspoint technology

Technical Data:

Keymodule:

- Switch type: MX
- Protection class: IP40
- Operation characteristics: GREY SWITCH Linear (80 cN)



- Fastening: Product dependent, see table "Models"
- Switching voltage: 12 VAC/DC max.
- Switching current: 10 mA AC/DC max.
- Dielectric strength: 500 V / 50Hz
- Durability: > 50 million actuations
- Contact configuration: Single-pole contact
- Actuator travel: 4.0 -0.4 mm
- Pretravel: 2 ± 0.6 mm
- Initial force: 30 cN min.
- Actuation force: 80 ± 25 cN
- Bounce time: < 5 ms (during actuation with 0,4 m/s)
- Standard lead spacing: 19.05 mm (16 mm min.)
- Decoupling diode: Product dependent, see table "Models"
- Wire jumper: Product dependent, see table "Models"
- Insulation materials: Thermoplastics (min. UL 94 HB)
- Spring: Stainless steel
- Contacts: High-quality gold alloy
- Storage Temperature: 5°C to 40°C
- Operating Temperature: -40°C to 70°C
- Humidity: Storage: average <50% max. 3 months / 75% max. 15 days, operation: 5% to 95% without condensation

Warranty:

- 2 Years



Models:

	Product Name	Part Number	Fastening	Decoupling Diode	Wire Jumper
1	CHERRY MX1A-2xxx	MX1A-21DN	Snap fastening in frame	yes	no
2	CHERRY MX1A-2xxx	MX1A-21DW	Fixing pins in the printed circuit board	yes	no
3	CHERRY MX1A-2xxx	MX1A-21JW	Fixing pins in the printed circuit board	no	yes
4	CHERRY MX1A-2xxx	MX1A-21NN	Snap fastening in frame	no	no
5	CHERRY MX1A-2xxx	MX1A-21NW	Fixing pins in the printed circuit board	no	no

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The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice. Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

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